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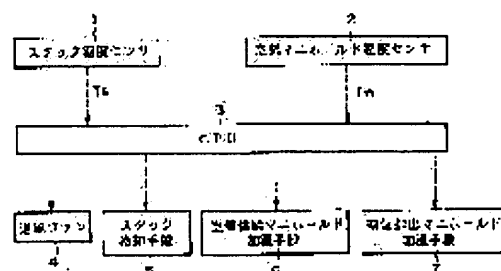
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(54) FUEL CELL GENERATING DEVICE AND OPERATING METHOD THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To maintain the output constant by monitoring the stack temperature of a high molecular solid electrolyte fuel cell and the air manifold temperature, and while controlling these temperature so that a temperature difference between them exists in the predetermined range.

SOLUTION: Stack temperature  $T_s$  measured by a stack temperature sensor 1 and air manifold temperature  $T_m$  measured by an air manifold sensor 2 are input to a CPU 3. The CPU 3 compares the stack temperature  $T_s$  with the air manifold temperature  $T_m$ , and on the basis of a result of this comparison, the CPU 3 selectively controls operation of a temperature adjusting means such as a blower fan 4 for leading the air to an air supplying manifold, a cooling means 5 for cooling a stack, a heating means 6 for heating an air supplying manifold, and a heating means 7 for heating an air discharge manifold.



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